The Ohio Statewide Imagery Program

The Department of Administrative Services Office of Information Technology Ohio Geographically Referenced Information Program has awarded a contract for the Ohio Statewide Imagery Acquisition Project—RFP #0A1078 for the acquisition of orthophotography for the Ohio Statewide Imagery Program (OSIP) beginning in the Spring of 2011.

OSIP is a partnership between State, Local and Federal government agencies to develop high-resolution imagery and elevation data for the State of Ohio to benefit Geographic Information System users at all levels of government. Accurate imagery and elevation data serve as the backbone for the development of additional data sets that are currently maintained and accessed by government decision makers and the public.

OSIP will obtain 1-foot pixel resolution 4-band (RGBN) stacked imagery to support state agency applications. The imagery is used by numerous state agencies to improve application and service delivery to their customers, supporting a wide variety of applications including economic development, the management of properties, utilities, and the environment, and will be used by emergency response agencies for planning and modeling, response, and recovery.

All standard products developed through OSIP are public domain data. As with the previous OSIP project, a copy of the 1"=200' scale 1-foot pixel resolution color orthophotography will be provided to each county and will be freely distributed through GIServOhio, OGRIP's spatial data delivery platform.

Standard imagery products will be captured and delivered in four (4) phases. The northeast portion of the state will be acquired in the spring of 2011; the western portion of the state will be acquired in the spring of 2012, the central portion of the state will be acquired in the spring of 2013, and the southeast portion of the project will be acquired in the spring of 2014.

The state has reserved the right to modify the acquisition footprints depending on available funding in any given acquisition year. The current acquisition areas are as follows:

Twenty-one (21) counties comprise the Northeastern Acquisition Area (~9,879.2 sq.mi.) include: ASHTABULA, COLUMBIANA, CUYAHOGA, ERIE, GEAUGA, HANCOCK, HURON, LAKE, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WAYNE, WOOD.

Twenty-four (24) counties comprise the Western Acquisition Area (~10,604.4 sq.mi.) include: ALLEN, AUGLAIZE, BROWN, BUTLER, CLARK, CLERMONT, CLINTON, DARKE, DEFIANCE, FULTON, GREENE, HAMILTON, HENRY, HIGHLAND, MERCER, MIAMI, MONTGOMERY, PAULDING, PREBLE, PUTNAM, SHELBY, VAN WERT, WARREN, WILLIAMS.

Twenty-two (22) counties comprise the 2013 Central Acquisition Area (~10,405.9 sq.mi.) include: ASHLAND, CHAMPAIGN, CRAWFORD, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, HARDIN, HOCKING, KNOX, LICKING, LOGAN, MADISON, MARION, MORROW, PERRY, PICKAWAY, RICHLAND, ROSS, UNION, VINTON, WYANDOT.























Robert Blair, Director

Twenty-one (21) counties comprise the 2014 Southeastern Acquisition Area (~10,385.9 sq.mi.) include: ADAMS, ATHENS, BELMONT, CARROLL, COSHOCTON, GALLIA, GUERNSEY, HARRISON, HOLMES, JACKSON, JEFFERSON, LAWRENCE, MEIGS, MONROE, MORGAN, MUSKINGUM, NOBLE, PIKE, SCIOTO, TUSCARAWAS, WASHINGTON.



OSIP provides state and county agencies with an opportunity to obtain enhanced products through the State's Cooperative Purchase Agreement (CPA) program. The CPA allows participating local government entities to obtain product enhancements through a direct contract with the vendor:

- 6IN pixel resolution 4-band (RGBN) color imagery
- 1FT or better pixel resolution Oblique Imagery (Pictometry or SmartView)
- 1M LiDAR
- 5-foot contours
- 2-foot contours
- Landuse/Landcover development

Acquisition of enhanced products through the CPA is not dependant on the State's acquisition cycle. Costs for enhanced OSIP products are listed below by County.























Ohio Statewide Imagery Acquisition Project—RFP #0A1078

State of Ohio, Office of Information Technology, Enterprise Shared Services

OSIP II - Optional Product Deliverables - 2011 Cost by County

| Optional Produ | ct | A 6IN ORTHO | B 6IN ORTHO | C 1M POSTING | D | E | F1 | F2 | S2 |
|-----------------------|-------------------------|----------------------|--------------------|----------------------|----------------------|------------------------|-----------------------|----------------------|----------------------|
| | SQ.MI. | 4-BAND | COMPRRESSED | LIDAR | 5FT | 2FT | SMARTVIEW | PICTOMETRY | LANDUSE |
| COUNTY | AREA | FULL_RES TILES | MOSAIC | & DEM | CONTOURS | CONTOURS | OBLIQUES | OBLIQUES ** | LANDCOVER |
| ADAMS | 586.3 | \$80,202 | \$1,170 | \$68,476 | \$51,473 | \$212,705 | \$94,395 | \$49,836 | \$63,199 |
| ALLEN ASHLAND | 406.9 426.9 | \$57,956 \$60,436 | \$901 \$931 | \$49,818 \$51,898 | \$38,018 \$39,518 | \$149,915 \$156,915 | \$65,511 \$68,731 | \$34,587 \$36,287 | \$46,156 \$48.056 |
| ASHTABULA | 710.8 | \$95,640 | \$1,357 | \$81,424 | \$60,810 | \$256,280 | \$114,439 | \$60,418 | \$75,026 |
| ATHENS | 508.4 | \$70,542 | \$1,054 | \$60,374 | \$45,630 | \$185,440 | \$81,853 | \$43,214 | \$55,798 |
| AUGLAIZE | 402.1 | \$57,361 | \$894 | \$49,319 | \$37,658 | \$148,235 | \$64,739 | \$34,179 | \$45,700 |
| BELMONT | 541.7 | \$74,671 | \$1,104 | \$63,837 | \$48,128 | \$197,095 | \$87,214 | \$46,045 | \$58,962 |
| BROWN BUTLER | 493.5 469.9 | \$68,694 \$65,768 | \$1,031 \$996 | \$58,824 \$56,370 | \$44,513 \$42,743 | \$180,225 \$171,965 | \$79,454 \$75,654 | \$41,948 \$39,942 | \$54,383 \$52,141 |
| CARROLL | 399.1 | \$56,989 | \$890 | \$49,007 | \$37,433 | \$177,905 | \$64,256 | \$33,924 | \$45,415 |
| CHAMPAIGN | 430.2 | \$60,845 | \$936 | \$52,241 | \$39,765 | \$158,070 | \$69,263 | \$36,567 | \$48,369 |
| CLARK | 401.4 | \$57,274 | \$893 | \$49,246 | \$37,605 | \$147,990 | \$64,626 | \$34,119 | \$45,633 |
| CLERMONT | 459.7 | \$64,503 | \$981 | \$55,309 | \$41,978 | \$168,395 | \$74,012 | \$39,075 | \$51,172 |
| CLINTON COLUMBIANA | 412.4 535.1 | \$58,638 \$73,853 | \$910 \$1,094 | \$50,390 \$63,151 | \$38,430 | \$151,840 \$194,785 | \$66,397 | \$35,054 \$45,484 | \$46,678 |
| COSHOCTON | 567.4 | \$73,853 \$77,858 | \$1,094 \$1,142 | \$63,151 \$66,510 | \$47,633 \$50,055 | \$194,785 | \$86,152 \$91,352 | \$45,484 \$48,229 | \$58,335 \$61,403 |
| CRAWFORD | 402.8 | \$57, 44 8 | \$895 | \$49,392 | \$37,710 | \$148,480 | \$64,851 | \$34,238 | \$45,766 |
| CUYAHOGA | 459.6 | \$64,491 | \$980 | \$55,299 | \$41,970 | \$168,360 | \$73,996 | \$39,066 | \$51,162 |
| DARKE | 599.6 | \$81,851 | \$1,190 | \$69,859 | \$52,470 | \$217,360 | \$96,536 | \$50,966 | \$64,462 |
| DEFIANCE | 414.6 | \$58,911 | \$913 | \$50,619 | \$38,595 | \$152,610 | \$66,751 | \$35,241 | \$46,887 |
| DELAWARE ERIE | 457.4 259.2 | \$64,218 \$20,641 | \$977 \$680 | \$55,070 \$36,012 | \$41,805 \$26,940 | \$167,590 | \$73,642 \$41,732 | \$38,879 | \$50,953 |
| FAIRFIELD | 508.5 | \$39,641 \$70,554 | \$1,054 | \$60,384 | \$26,940 \$45,638 | \$98,220 \$185,475 | \$41,732 \$81,869 | \$22,032 \$43,223 | \$32,124 \$55,808 |
| FAYETTE | 407.1 | \$57,981 | \$902 | \$49,839 | \$38,033 | \$149,985 | \$65,544 | \$34,604 | \$46,175 |
| FRANKLIN | 544 | \$74,956 | \$1,107 | \$64,076 | \$48,300 | \$197,900 | \$87,584 | \$46,240 | \$59,180 |
| FULTON | 407.8 | \$58,068 | \$903 | \$49,912 | \$38,085 | \$150,230 | \$65,656 | \$34,663 | \$46,241 |
| GALLIA | 471.4 | \$65,954 | \$998 | \$56,526 | \$42,855 | \$172,490 | \$75,896 | \$40,069 | \$52,283 |
| GEAUGA GREENE | 408.9 416 | \$58,204 \$59,084 | \$904 \$915 | \$50,026 \$50,764 | \$38,168 \$38,700 | \$150,615 \$153,100 | \$65,833 \$66,976 | \$34,757 \$35,360 | \$46,346 \$47,020 |
| GUERNSEY | 528.4 | \$73,022 | \$1,084 | \$62,454 | \$47,130 | \$192,440 | \$85,073 | \$35,300 \$44,914 | \$57,698 |
| HAMILTON | 412.5 | \$58,650 | \$910 | \$50,400 | \$38,438 | \$151,875 | \$66,413 | \$35,063 | \$46,688 |
| HANCOCK | 534 | \$73,716 | \$1,092 | \$63,036 | \$47,550 | \$194,400 | \$85,974 | \$45,390 | \$58,230 |
| HARDIN | 471 | \$65,904 | \$998 | \$56,484 | \$42,825 | \$172,350 | \$75,831 | \$40,035 | \$52,245 |
| HARRISON | 410.6 | \$58,415 | \$907 | \$50,203 | \$38,295 | \$151,210 | \$66,107 | \$34,901 | \$46,507 |
| HENRY HIGHLAND | 420 557.7 | \$59,580 \$76,655 | \$921 \$1,128 | \$51,180 \$65,501 | \$39,000 \$49,328 | \$154,500 \$202,695 | \$67,620 \$89,790 | \$35,700 \$47,405 | \$47,400 \$60,482 |
| HOCKING | 423.5 | \$60,014 | \$926 | \$51,544 | \$39,263 | \$155,725 | \$68,184 | \$35,998 | \$47,733 |
| HOLMES | 424.1 | \$60,089 | \$927 | \$51,607 | \$39,308 | \$155,935 | \$68,281 | \$36,049 | \$47,790 |
| HURON | 496.4 | \$69,054 | \$1,036 | \$59,126 | \$44,730 | \$181,240 | \$79,921 | \$42,194 | \$54,658 |
| JACKSON | 421.5 | \$59,766 | \$923 | \$51,336 | \$39,113 | \$155,025 | \$67,862 | \$35,828 | \$47,543 |
| JEFFERSON KNOX | 410 529.6 | \$58,340 \$73,171 | \$906 \$1,085 | \$50,140 \$62,579 | \$38,250 \$47,220 | \$151,000 \$192,860 | \$66,010 \$85,266 | \$34,850 \$45,016 | \$46,450 \$57,812 |
| LAKE | 231.8 | \$36,244 | \$639 | \$31,839 | \$24,885 | \$88,630 | \$37,320 | \$19,703 | \$29,521 |
| LAWRENCE | 457 | \$64,168 | \$977 | \$55,028 | \$41,775 | \$167,450 | \$73,577 | \$38,845 | \$50,915 |
| LICKING | 687.4 | \$92,738 | \$1,322 | \$78,990 | \$59,055 | \$248,090 | \$110,672 | \$58,429 | \$72,803 |
| LOGAN | 466.7 | \$65,371 | \$991 | \$56,037 | \$42,503 | \$170,845 | \$75,139 | \$39,670 | \$51,837 |
| LORAIN | 494.5 | \$68,818 | \$1,033 | \$58,928 | \$44,588 | \$180,575 | \$79,615 | \$42,033 | \$54,478 |
| LUCAS MADISON | 347.1 467.4 | \$50,541 \$65,458 | \$812 \$992 | \$43,946 \$56,110 | \$33,533 \$42,555 | \$128,985 \$171,090 | \$55,884 \$75,252 | \$29,504 \$39,729 | \$40,475 \$51,903 |
| MAHONING | 425.3 | \$60,238 | \$929 | \$51,732 | \$39,398 | \$156,355 | \$68,474 | \$36,151 | \$47,904 |
| MARION | 404.2 | \$57,621 | \$897 | \$49,537 | \$37,815 | \$148,970 | \$65,077 | \$34,357 | \$45,899 |
| MEDINA | 423.1 | \$59,965 | \$926 | \$51,503 | \$39,233 | \$155,585 | \$68,120 | \$35,964 | \$47,695 |
| MEIGS MEDCED | 432.4 | \$61,118 \$66,202 | \$940 \$1,001 | \$52,470 \$56,724 | \$39,930 | \$158,840 \$172,100 | \$69,617 \$76,219 | \$36,754 | \$48,578 \$52,472 |
| MERCER MIAMI | 473.4 409.8 | \$66,202 \$58,316 | \$1,001 \$906 | \$56,734 \$50,120 | \$43,005 \$38,235 | \$173,190 \$150,930 | \$76,218 \$65,978 | \$40,239 \$34,833 | \$52,473 \$46,431 |
| MONROE | 457.2 | \$64,193 | \$977 | \$50,120 \$55,049 | \$41,790 | \$167,520 | \$73,610 | \$34,033 \$38,862 | \$50,934 |
| MONTGOMERY | 464.4 | \$65,086 | \$988 | \$55,798 | \$42,330 | \$170,040 | \$74,769 | \$39,474 | \$51,618 |
| MORGAN | 421.6 | \$59,779 | \$923 | \$51,347 | \$39,120 | \$155,060 | \$67,878 | \$35,836 | \$47,552 |
| MORROW | 407.3 | \$58,006 | \$902 | \$49,860 | \$38,048 | \$150,055 | \$65,576 | \$34,621 | \$46,194 |
| MUSKINGUM | 672.6 | \$90,903 \$57,683 | \$1,300 | \$77,451 \$40,590 | \$57,945 | \$242,910 \$140,145 | \$108,289 \$65,157 | \$57,171 \$34,400 | \$71,397 \$45,047 |
| NOBLE OTTAWA | 404.7 265.8 | \$40,460 | \$898 \$690 | \$49,589 \$39,396 | \$37,853 \$27,435 | \$149,145 \$100,530 | \$65,157 \$42,794 | \$34,400 \$22,593 | \$45,947 \$32,751 |
| PAULDING | 419.2 | \$59,481 | \$920 | \$59,590 \$51,097 | \$38,940 | \$154,220 | \$67,492 | \$35,632 | \$47,324 |
| PERRY | 412.5 | \$58,650 | \$910 | \$50,400 | \$38,438 | \$151,875 | \$66,413 | \$35,063 | \$46,688 |
| PICKAWAY | 506.4 | \$70,294 | \$1,051 | \$60,166 | \$45,480 | \$184,740 | \$81,531 | \$43,044 | \$55,608 |
| PIKE | 444 | \$62,556 | \$957 | \$53,676 | \$40,800 | \$162,900 | \$71,484 | \$37,740 | \$49,680 |
| PORTAGE | 504.5 | \$70,058 \$60,386 | \$1,048 \$021 | \$59,968 \$51,956 | \$45,338 | \$184,075 \$156,775 | \$81,225 | \$42,883 \$26,252 | \$55,428 \$49,019 |
| PREBLE PUTNAM | 426.5 484.7 | \$60,386 \$67,603 | \$931 \$1,018 | \$51,856 \$57,909 | \$39,488 \$43,853 | \$156,775 \$177,145 | \$68,667 \$78,037 | \$36,253 \$41,200 | \$48,018 \$53,547 |
| RICHLAND | 500.5 | \$69,562 | \$1,042 | \$57,909 | \$45,038 | \$177,145 | \$80,581 | \$41,200 \$42,543 | \$55,048 |
| ROSS | 692.8 | \$93,408 | \$1,330 | \$79,552 | \$59,460 | \$249,980 | \$111,541 | \$58,888 | \$73,316 |
| SANDUSKY | 413.6 | \$58,787 | \$911 | \$50,515 | \$38,520 | \$152,260 | \$66,590 | \$35,156 | \$46,792 |
| | | \$83,897 | \$1,215 | \$71,575 | \$53,708 | \$223,135 | \$99,193 | \$52,369 | \$66,030 |
| SCIOTO | 616.1 | | | | | | | | |
| | 616.1 553.3 410.8 | \$76,110 \$58,440 | \$1,121 \$907 | \$65,044 \$50,224 | \$48,998 \$38,310 | \$201,155 \$151,280 | \$89,082 \$66,139 | \$47,031 \$34,918 | \$60,064 \$46,526 |

| Optional Product | | Α | В | С | D | Е | F1 | F2 | S2 |
|------------------|--------|----------------|-------------|------------|----------|-----------|-----------|-------------------|-----------|
| | | 6IN ORTHO | 6IN ORTHO | 1M POSTING | | | | | |
| | SQ.MI. | 4-BAND | COMPRRESSED | LIDAR | 5FT | 2FT | SMARTVIEW | PICTOMETRY | LANDUSE |
| COUNTY | AREA | FULL_RES TILES | MOSAIC | & DEM | CONTOURS | CONTOURS | OBLIQUES | OBLIQUES ** | LANDCOVER |
| SUMMIT | 420.4 | \$59,630 | \$922 | \$51,222 | \$39,030 | \$154,640 | \$67,685 | \$35,734 | \$47,438 |
| TRUMBULL | 636.5 | \$86,426 | \$1,246 | \$73,696 | \$55,238 | \$230,275 | \$102,477 | \$54,103 | \$67,968 |
| TUSCARAWAS | 571.5 | \$78,366 | \$1,148 | \$66,936 | \$50,363 | \$207,525 | \$92,012 | \$48,578 | \$61,793 |
| UNION | 437 | \$61,688 | \$947 | \$52,948 | \$40,275 | \$160,450 | \$70,357 | \$37,145 | \$49,015 |
| VAN WERT | 410.7 | \$58,427 | \$907 | \$50,213 | \$38,303 | \$151,245 | \$66,123 | \$34,910 | \$46,517 |
| VINTON | 414.9 | \$58,948 | \$913 | \$50,650 | \$38,618 | \$152,715 | \$66,799 | \$35,267 | \$46,916 |
| WARREN | 407.2 | \$57,993 | \$902 | \$49,849 | \$38,040 | \$150,020 | \$65,560 | \$34,612 | \$46,184 |
| WASHINGTON | 639.9 | \$86,848 | \$1,251 | \$74,050 | \$55,493 | \$231,465 | \$103,024 | \$54,392 | \$68,291 |
| WAYNE | 557.3 | \$76,606 | \$1,127 | \$65,460 | \$49,298 | \$202,555 | \$89,726 | \$47,371 | \$60,444 |
| WILLIAMS | 423.6 | \$60,027 | \$926 | \$51,555 | \$39,270 | \$155,760 | \$68,200 | \$36,006 | \$47,742 |
| WOOD | 621.4 | \$84,554 | \$1,223 | \$72,126 | \$54,105 | \$224,990 | \$100,046 | \$52,819 | \$66,533 |
| WYANDOT | 407.8 | \$58,068 | \$903 | \$49,912 | \$38,085 | \$150,230 | \$65,656 | \$34,663 | \$46,241 |

Optional Product A.

Stacked four-band (RGBN), 8-bit digital orthoimagery with a 6-inch pixel resolution, delivered in 2,500 x 2,500 foot grid tiles, with no "No-Data" areas; delivered as complete county coverages with a minimum of one full tile overlap with surrounding counties; in uncompressed GeoTIFF file format with world files; in the appropriate Ohio State Plane North or South NAD83/HARN, US Survey Feet (ESPG Codes 3401 or 3402) coordinate system.

Optional Product B

Stacked four-band (RGBN), 8-bit digital orthoimagery with a 6-inch pixel resolution with no "No-Data" areas; delivered as complete county mosaics in ECW or MrSID format with world files; in the appropriate Ohio State Plane North or South NAD83/HARN, US Survey Feet (ESPG Codes 3401 or 3402) coordinate system for each of the State's 88 counties.

Optional Product C

LiDAR and DEM update including a 1-meter post spacing LiDAR acquisition including, at least first and last returns, intensity and classification (ground/non-ground) point cloud. LiDAR deliverables will be in LAS format in the grid tiles corresponding to the State's 6-inch 2,500 x 2,500 foot tiling scheme. In areas of new LiDAR collection the existing 2.5 FT DEM will be updated suitable for 2-foot contour generation. DEM updates will be provided in ArcInfo GRID and USGS DEM format in the appropriate Ohio State Plane North or South NAD83/HARN, US Survey Feet (ESPG Codes 3401 or 3402) coordinate system.

Optional Product D

Five (5)-foot contours, including pricing for processing DEM to bare-earth digital terrain model (DTM), adding breaklines and the generation of contours.

Optional Product E

Two (2)-foot contours, including pricing for statewide 2-foot processing DEM to bare-earth contours, digital terrain model (DTM), adding breaklines and the generation of contours.

Oblique Imagery

Optional Product F1 (SmartView Open Source Solution)

1FT pixel resolution or better Oblique imagery.

The oblique imagery will be delivered in TIFF or JPEG format with software capable of providing efficient display and manipulation of imagery as well as horizontal and vertical measurement tools.

Optional Product F2 (Pictometry Licensed Solution)

1FT pixel resolution or better Oblique imagery.

The oblique imagery will be delivered in TIFF or JPEG format with software capable of providing efficient display and manipulation of imagery as well as horizontal and vertical

** Price does not include storage device. Add \$199.00 to cost for delivery by vendor on 1TB hard drive.

Optional Services S2

Land Use/Land Cover Inventory using use the Anderson Land Cover Schema (USGS 1976)

for the generation of the five land-cover categories shown below:

- 1. Urban Land
- 2. Agricultural Land
- 3. Forest Land
- 4. Water
- 5. Wasteland

